

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of the claims.

Listing of the Claims

1. (Currently amended) An electromagnetic shielding material comprising: a polymer resin for a matrix; and a conductive filler including a carbon nanotube and a metal,

wherein the carbon nanotube is material selected from the group consisting of a nanotube having a phenyl-carbonyl C-C stretch bonding peak existing between about 1,300 cm^{-1} and about 1,100 cm^{-1} , a nanotube having a phenyl-carbonyl C-C stretch bonding peak existing between about 1,300 cm^{-1} and about 1,100 cm^{-1} , a carbonic C-C stretch bonding peak existing between about 1,570 cm^{-1} and about 1,430 cm^{-1} and a carboxylic C=O stretch vibration peak existing at about 1,650 cm^{-1} , a nanotube having a phenyl-carbonyl C-C stretch bonding peak existing between about 1,300 cm^{-1} and about 1,100 cm^{-1} , a carboxyl C=O stretch vibration peak existing at about 1,650 cm^{-1} and an -OH bonding peak existing at about 3,550 cm^{-1} , a nanotube having a C-F bonding peak existing at about 1,250 cm^{-1} and a combination thereof.

2. (Original) The electromagnetic shielding material as recited in claim 1, wherein a volume percent of the carbon nanotube ranges from about 0.2% to about 10% and a volume percent of the metal powder ranges from about 7.0% to about 30% so that the total volume percent of the conductive filler is in a range of about 7.2% to about 40%.

3. (Original) The electromagnetic shielding material as recited in claim 1, wherein the carbon nanotube employs a single-walled carbon nanotube or a multi-walled carbon nanotube.

4. (Original) The electromagnetic shielding material as recited in claim 3, wherein the carbon nanotube is manufactured by a method selected from the group consisting of a chemical vapor deposition, an arc discharge, a plasma torch and an ion impact.

5. (Cancelled)
6. (Original) The electromagnetic shielding material as recited in claim 1, wherein the polymer resin is a general-purpose polymer selected from the group consisting of a silicon rubber, a polyurethane, a polycarbonate, a polymethyl methacrylate, polyvinyl alcohol, Acrylonitrile-Butadiene-Styrene terpolymer (ABS) and a combination thereof.
7. (Original) The electromagnetic shielding material as recited in claim 1, wherein the polymer resin is a thermosetting resin selected from the group consisting of epoxy, polyimide and a combination thereof.
8. (Original) The electromagnetic shielding material as recited in claim 1, wherein electrical conductivity of the metal is higher than 10^5 S/cm.
9. (Original) The electromagnetic shielding material as recited in claim 8, wherein the metal is a material selected from the group consisting of a silver powder, a silver-coated copper powder, a steel fiber, a copper fiber, an aluminum fiber and a nickel fiber.